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NOTICE OF ALLOWANCE AND FEE(S) DUE

4372

7590

07/01/2008

ARENT FOX LLP 1050 CONNECTICUT AVENUE, N.W. SUITE 400 WASHINGTON, DC 20036 EXAMINER

WALTERS, JOHN DANIEL

ART UNIT PAPER NUMBER

3618

DATE MAILED: 07/01/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/527.436	10/14/2005	Takashi Aoki	107348-00472	5414

TITLE OF INVENTION: HYBRID VEHICLE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/01/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

maintenance fee notifica	correspondence including debelow or directed other tions. ENCE ADDRESS (Note: Use Bl		No Fe	ote: A certificate of	mailing	g can only be used for	orrespondence address as ate "FEE ADDRESS" for domestic mailings of the r any other accompanying
	pa	pers. Each additiona	al paper	, such as an assignmen iling or transmission.	t or formal drawing, must		
SUITE 400	TICUT AVENUE, I	I b Sta ad tra	Certificate of Mailing or Trai I hereby certify that this Fee(s) Transmittal is bei States Postal Service with sufficient postage for f addressed to the Mail Stop ISSUE FEE addres transmitted to the USPTO (571) 273-2885, on the			nsmission ng deposited with the United irst class mail in an envelope	
WASHINGTON	N, DC 20036						(Depositor's name)
							(Signature)
							(Date)
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	10/01/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS]		
WALTERS, Jo	OHN DANIEL	3618	180-065200				
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA	or agents OR, alterna (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or to	e of a single firm (having as a member a storney or agent) and the names of up to patent attorneys or agents. If no name is me will be printed. (print or type) ar on the patent. If an assignee is identified below, the document has been filed for				
4a. The following fee(s) Issue Fee	riate assignee category or		tinted on the patent): b. Payment of Fee(s): (Please A check is enclosed. Payment by credit care	☐ Individual ☐ C	orporati ny prev	ion or other private grou	p entity Government
Advance Order -	# of Copies	The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Sta a. Applicant claim	i tus (from status indicate is SMALL ENTITY stati	· · · · · · · · · · · · · · · · · · ·	☐ b. Applicant is no lo	nger claiming SMA	LL ENT	ΓΙΤΥ status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee an	nd Publication Fee (if rea		d from anyone other than				assignee or other party in
Authorized Signature				Date			
Typed or printed name				-			
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	itiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the DOT SEND FEES OR	on is required to obtain or 1.14. This collection is e depending upon the ind e Chief Information Offic COMPLETED FORMS	retain a benefit by stimated to take 12 ividual case. Any co cer, U.S. Patent and TO THIS ADDRES	the publ minutes omment Traden S. SENI	lic which is to file (and is to complete, including is on the amount of tim nark Office, U.S. Depard TO: Commissioner for	by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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1050 CONNECTICUT AVENUE, N.W.			ART UNIT PAPER NUMBER		
SUITE 400 WASHINGTON, I	OC 20036		3618 DATE MAILED: 07/01/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 565 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 565 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/527,436	AOKI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	JOHN D. WALTERS	3618	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31:	6 (OR REMAINS) CLOSED in to) or other appropriate commun RIGHTS. This application is sul	nis application. If not included cation will be mailed in due cou	rse. THIS
1. 🔀 This communication is responsive to <u>11 March 2005</u> .			
2. ☑ The allowed claim(s) is/are <u>1-6</u> .			
 Acknowledgment is made of a claim for foreign priority u All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have 		(f).	
2. Certified copies of the priority documents have	e been received in Application	No	
Copies of the certified copies of the priority do	ocuments have been received i	n this national stage application	from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	MENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which giv	ves reason(s) why the oath or d	eclaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Review (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	_•		
(b) ☐ including changes required by the attached ExaminerPaper No./Mail Date	's Amendment / Comment or ir	the Office action of	
Identifying indicia such as the application number (see 37 CFR and each sheet. Replacement sheet(s) should be labeled as such in			k) of
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 🗖 Notice of Info	mal Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sun	nmary (PTO-413),	
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No./M 7.	ail Date nendment/Comment	
Paper No./Mail Date 20050311 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's S	atement of Reasons for Allowar	nce
of Biological Material	9.		

DETAILED ACTION

Claims 1 - 6 have been examined.

Allowable Subject Matter

Claims 1 - 6 are allowed.

The following is an examiner's statement of reasons for allowance: the cited prior art neither discloses nor suggests, either alone or in combination, the limitation of a hybrid vehicle including an engine and a first and second motor/generator, wherein said first and second motor/generator drive a first and a second wheel, respectively, and, wherein said first motor/generator also drives an oil pump normally powered by said engine, when said engine ceases to turn during movement of said vehicle. Esaki (6,656,083) discloses a hybrid drive system wherein an engine and a motor/generator drive an axle, wherein a starter motor is used to power engine accessories, including an oil pump when said oil pump cannot be powered due to sand engine being halted. This starter motor, however, is neither intended nor sized to provide power to a second wheel and assist in driving said vehicle.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Art Unit: 3618

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN D. WALTERS whose telephone number is (571)272-8269. The examiner can normally be reached on Monday - Friday, 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Ellis can be reached on (571) 272-6914. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christopher P Ellis/ Supervisory Patent Examiner, Art Unit 3618 John D. Walters Examiner Art Unit 3618

/J. D. W./ Examiner, Art Unit 3618